

Claims

1. Cutting tool, comprising two parts (1, 2) having co-  
operating connecting surfaces (3, 5) of serration type,  
5 which individually comprises a plurality of ridges or tops  
(13, 15), which are mutually separated by grooves (14, 16),  
the pitch (P) between the ridges in the respective  
connecting surfaces being one and the same,  
c h a r a c t e r i z e d in that the widths of two or more  
10 grooves (14) positioned one after the other in a series in  
one of the connecting surfaces (3) increase progressively  
from a first groove (14a) to a last groove (14) in the  
series.

15 2. Part (1) of a cutting tool, comprising an insert seat in  
the form of a serration connecting surface (3) intended for  
receipt of a cutting insert (2), which surface includes a  
plurality of ridges (13), which are mutually separated by  
grooves (14), and have a given pitch (P),  
20 c h a r a c t e r i z e d in that the widths of two or more  
grooves (14) positioned one after the other in a series  
increase progressively from a first groove (14a) to a last  
groove (14) in the series, with unchanged pitch (P) between  
the ridges.

25 3. Tool part according to claim 2,  
c h a r a c t e r i z e d in that the progressive width  
enlargement of the grooves (14) in said series following  
after a first groove (14a) is determined by the distance  
30  $(n \times P)$  of the individual groove from the first groove  
(14a).

4. Tool part according to claim 3,  
c h a r a c t e r i z e d in that the width enlargement  
35 amounts to at least 0,2 % of the distance  $(n \times P)$  of the  
individual groove (14) from said first groove (14a).

5. Tool part according to any one of claims 2-4,  
c h a r a c t e r i z e d in that the width enlargement

amounts to at most 1,5 % of the distance ( $n \times P$ ) of the individual groove (14) from said first groove (14a).

5 6. Tool part according to any one of claims 2-5,  
c h a r a c t e r i z e d in that said first groove (14a)  
in the series of grooves is located closest to a free edge  
(12) along the insert seat (3) in order to in the same  
locate a ridge (15) positioned closest to an active cutting  
edge (10) on the cutting insert (2), when the cutting  
10 insert is applied in the insert seat.

7. Method in the manufacture of a part (1) intended for  
cutting tools and of the type that comprises an insert seat  
intended for receipt of a cutting insert (2) and being in  
15 the form of a serration connecting surface (3), which  
comprises a plurality of ridges or tops (13) that are  
mutually separated by grooves (14), the pitch (P) between  
the ridges being given, c h a r a c t e r i z e d in that  
the connecting surface (3) is formed so that the widths of  
20 two or more grooves (14) positioned one after the other in  
a series increase progressively from a first groove (14a)  
to a last groove (14) in the series, without the given  
pitch between the ridges being changed.